

## Product Datasheet

### GC1111 - Lactose, anhydrous, Ph. Eur., USP grade

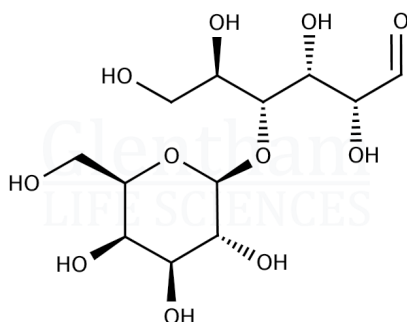
Not classified as dangerous for transport.

#### Product Details

Product Name	Lactose, anhydrous, Ph. Eur., USP grade
Glentham Code	GC1111
CAS Number	63-42-3
EINECS	200-559-2
MDL Number	MFCD00151251
Additional CAS	64044-51-5
Additional CAS	10039-26-6
Additional CAS	14641-93-1
Additional CAS	5989-81-1
Related Categories	Carbohydrates, Raw Materials (IVD), Oligosaccharides

#### Structure

Molecular Weight : 342.30  
Molecular Formula :  $C_{12}H_{22}O_{11}$



#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

Not classified as hazardous under CLP.

#### Glentham Product Specification

Physical Description	: White or almost white crystalline powder
Identification	: According to Ph. Eur., USP
Solubility (10% in water)	: Clear, colourless solution (boiling water)
Acidity or Alkalinity	: $\leq 0.4$ ml (of 0.1M NaOH)
Specific Optical Rotation	: +54.4 - +55.9 ° (anhydrous substance)
Absorbance	: $\leq 0.04$ (400nm) : $\leq 0.07$ (270 - 300 nm) : $\leq 0.25$ (210 - 220 nm)
Heavy Metals	: $\leq 5$ ppm
Water	: $\leq 1.0\%$
Loss on Drying	: $\leq 0.5\%$
Residue on Ignition	: $\leq 0.1\%$
Total Aerobic Microbial Count	: $\leq 100$ CFU/g
Total Combined Yeast and Mould Count	: $\leq 50$ CFU/g
E. Coli	: Absent in 10g
Salmonella	: Absent in 10g
alpha-Lactose	: Reported
beta-Lactose	: Reported
Content (GC)	: $\geq 99.5\%$ (alpha + beta)
Pharmacopoeia Specification(s)	: Conforms to Ph. Eur., USP
Version	: v1.0

#### About Lactose, anhydrous, Ph. Eur., USP grade

No further details on record.

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